chain nodes :
```
    1    2    3    4    5    6    7    8    9   10   11   12   13   14   15   16   17   18   19   20   21   22   23   24   25   26
   27   28   29   30   31   32   33   34   35   36   37   38   39   40   41   42   43   44   45   46   47   48   49   50
   51   52   53   54   55   56   57   58   59   60   61   62   63   64   65   66   67   68   69   70   71   72   73   74
   75   76   77   78   79   80   81   82   83   84   85   86   87   88   89   90   91   92   93   94   95   96   97   98
   99  100  101  102  103  104  105  106  107  108  109  110  111  112  113
```
chain bonds :
```
    1-2   1-41  1-42  1-43  2-3   2-44  2-45  3-4   3-46  3-47  4-5   4-48  4-49  5-6   5-50  5-51  6-7
    6-52  6-53  7-8   7-54  7-55  8-9   8-56  8-57  9-10  9-58  9-59  10-11 10-60 10-61 11-12
   11-62 11-63 12-13 12-64 12-65 13-14 13-66 13-67 14-15 14-68 14-69 15-16 15-70
   15-71 16-17 16-72 16-73 17-18 17-74 17-75 18-19 18-20 20-21 20-76 21-22 21-24
   21-77 22-23 22-78 22-79 23-80 24-25 24-40 24-82 25-81 26-27 26-109 26-110 26-111
   27-28 27-107 27-108 28-29 28-105 28-106 29-30 29-103 29-104 30-31 30-101 30-102
   31-32 31-99 31-100 32-33 32-97 32-98 33-34 33-95 33-96 34-35 34-93 34-94 35-36
   35-91 35-92 36-37 36-89 36-90 37-38 37-87 37-88 38-39 38-85 38-86 39-40 39-112
   39-113 40-83 40-84
```
exact/norm bonds :
```
   18-19 18-20 20-21 22-23 24-25
```
exact bonds :
```
    1-2   1-41  1-42  1-43  2-3   2-44  2-45  3-4   3-46  3-47  4-5   4-48  4-49  5-6   5-50  5-51  6-7
    6-52  6-53  7-8   7-54  7-55  8-9   8-56  8-57  9-10  9-58  9-59  10-11 10-60 10-61 11-12
   11-62 11-63 12-13 12-64 12-65 13-14 13-66 13-67 14-15 14-68 14-69 15-16 15-70
   15-71 16-17 16-72 16-73 17-18 17-74 17-75 20-76 21-22 21-24 21-77 22-78 22-79
   23-80 24-40 24-82 25-81 26-27 26-109 26-110 26-111 27-28 27-107 27-108 28-29 28-105
   28-106 29-30 29-103 29-104 30-31 30-101 30-102 31-32 31-99 31-100 32-33 32-97 32-98
   33-34 33-95 33-96 34-35 34-93 34-94 35-36 35-91 35-92 36-37 36-89 36-90 37-38
   37-87 37-88 38-39 38-85 38-86 39-40 39-112 39-113 40-83 40-84
```

Match level :
```
    1:CLASS   2:CLASS   3:CLASS   4:CLASS   5:CLASS   6:CLASS   7:CLASS   8:CLASS   9:CLASS   10:CLASS
   11:CLASS  12:CLASS  13:CLASS  14:CLASS  15:CLASS  16:CLASS  17:CLASS  18:CLASS  19:CLASS
   20:CLASS  21:CLASS  22:CLASS  23:CLASS  24:CLASS  25:CLASS  26:CLASS  27:CLASS  28:CLASS
   29:CLASS  30:CLASS  31:CLASS  32:CLASS  33:CLASS  34:CLASS  35:CLASS  36:CLASS  37:CLASS
   38:CLASS  39:CLASS  40:CLASS  41:CLASS  42:CLASS  43:CLASS  44:CLASS  45:CLASS  46:CLASS
   47:CLASS
```

```
              48:CLASS   49:CLASS   50:CLASS   51:CLASS   52:CLASS   53:CLASS   54:CLASS   55:CLASS
56:CLASS   57:CLASS   58:CLASS   59:CLASS   60:CLASS   61:CLASS   62:CLASS   63:CLASS   64:CLASS
65:CLASS   66:CLASS   67:CLASS   68:CLASS   69:CLASS   70:CLASS   71:CLASS   72:CLASS   73:CLASS
74:CLASS   75:CLASS   76:CLASS   77:CLASS   78:CLASS   79:CLASS   80:CLASS   81:CLASS   82:CLASS
83:CLASS   84:CLASS   85:CLASS   86:CLASS   87:CLASS   88:CLASS   89:CLASS   90:CLASS   91:CLASS
92:CLASS   93:CLASS   94:CLASS   95:CLASS   96:CLASS   97:CLASS   98:CLASS   99:CLASS   100:CLASS
101:CLASS   102:CLASS   103:CLASS   104:CLASS   105:CLASS   106:CLASS   107:CLASS   108:CLASS
109:CLASS   110:CLASS   111:CLASS   112:CLASS   113:CLASS
```